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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/628,975

07/28/2003

Cheng Chun Chang

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02/18/2005

QUINTERO LAW OFFICE
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EXAMINER

FUREMAN, JARED

ART UNIT

PAPER NUMBER

2876

DATE MAILED: 02/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

11A

Office Action Summary	Application No. 10/628,975	Applicant(s) CHANG, CHENG CHUN	
	Examiner Jared J. Fureman	Art Unit 2876	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>5/5/2004</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Receipt is acknowledged of the IDS, filed under rule 37 CFR 1.291(a), on 5/5/2004. Claims 1-4 are pending.

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Objections

2. Claim 1 is objected to because of the following informalities: Claim 1, line 3: "the" should be replaced with --a--, in order to avoid a lack of proper antecedent basis for "the USB port". Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1 and 2 are rejected under 35 U.S.C. 102(e) as being anticipated by Teng et al (US 2003/0178486 A1).

Teng teaches a flash card reader (comprised of reader 4 and containing box 1) comprising a face panel disposed in a front side thereof, at least one insertion slot disposed in said face panel (see figure 3), a signal line (42, see figure 4B) extended

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from a rear side thereof and terminating in a USB connector for connection to a USB port of a computer (2, see figures 2 and 6), a computer (2, see figures 2 and 6), a circuit board (not shown, see paragraph 18), and a controller (62) electrically connected to said circuit board thereof for operation control, characterized in that: the circuit board of the flash card reader comprises a hub chipset (61) respectively coupled (via 62) to said signal line, said controller (62) and at least one USB jack (12 in figure 1, or 621 in figure 6), wherein said controller (62) is coupled (via 61) to said at least one insertion slot, for enabling the flash card reader (see figure 6) to have the read/write function to a flash memory card and the function of connecting computer peripheral apparatus; wherein said at least one insertion slot includes a plurality of insertion slots for receiving different memory cards (see figures 3, 4A and 6) (also see figures 1-6 and paragraphs 15-19).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Teng et al in view of Lee (US 2002/0011516 A1).

The teachings of Teng et al have been discussed above.

Teng et al fails to specifically teach wherein the number of said at least one USB jack is 2.

Lee teaches a card reader (250, figure 2) including a USB jack (203, figure 2).

Lee also teaches that the smart card reader may include more than one USB jack (see lines 5-11 of paragraph 41).

In view of Lee's teachings, it would have been obvious to one of ordinary skill in the art at the time of the invention to include, with the card reader as taught by Teng et al, wherein the number of said at least one USB jack is 2, in order to allow the connection of multiple peripherals, thereby further increasing the convenience and functionality of the card reader.

7. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Teng et al in view of Lin (US 6,654,841 B2, cited in IDS).

The teachings of Teng et al have been discussed above.

Teng et al fails to specifically teach the flash card reader further comprising a built-in data storage device, said built-in data storage device comprising a pen driver chipset electrically connected to said hub chipset, and a compact flash memory controlled by said pen driver chipset.

Lin teaches a flash card reader including a built-in data storage device, said built-in data storage device comprising a pen driver chipset (including with controller 1), and a compact flash memory (5) controlled by said pen driver chipset (see figure 1, column 1 lines 9-14, column 1 line 49 - column 2 line 24, and column 3 lines 31-36).

In view of Lin's teachings, it would have been obvious to one of ordinary skill in the art at the time of the invention to include, with the card reader as taught by Teng et al, a built-in data storage device, said built-in data storage device comprising a pen

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driver chipset electrically connected to said hub chipset, and a compact flash memory controlled by said pen driver chipset, in order to improve the function of the card reader (see column 3, lines 31-36, of Lin).

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Jones (US 6,438,638), Shieh et al (US 2002/0185533), Li (US 6,681,991), and Pua et al (US 2002/0178307) all teach flash/memory card readers.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jared J. Fureman whose telephone number is (571) 272-2391. The examiner can normally be reached on 7:00 am - 4:30 PM M-T, and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on (571) 272-2398. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jared J. Fureman
Jared J. Fureman
Examiner
Art Unit 2876

February 10, 2005